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(30) Priority:		(71) Applicant: <b>SEIKOSHA CO LTD</b>
(43) Date of application publication:	<b>06.09.94</b>	(72) Inventor: <b>AMAKASU MIKIO</b>
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**(54) MOTOR OPERATED TOOTH BRUSH**

(57) Abstract:

**PURPOSE:** To provide a simple-structure and inexpensive motor operated tooth brush that has a higher tooth brushing ability by giving reciprocating motion to an attachment along its shaft and rotational motion to a brush.

**CONSTITUTION:** A drive shaft 8 is supported within a case 1 so that the shaft can move freely in the longitudinal direction, the rotation of a drive motor 2 within the case 1 is converted into a reciprocating motion by first motion conversion mechanisms 4a and 7 and is transmitted to the drive shaft 8, and this shaft 8 is connected to an extension bar 15 which has a rotatable brush 11 at its head. The reciprocating motion of the extension bar 15 is converted into a rotational motion by second motion conversion mechanisms 13 and 18, and is transmitted to the rotatable brush 11.

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